Appl. No. 10/767,498 Resp. dated July 30 2007 Reply to Office Action of June 29, 2007

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LISTING OF CLAIMS

- 1. (Original): A method of processing filamentary nanocarbon, comprising the steps of: providing a quantity of filamentary nanocarbon; providing a supply of high pressure, near-supercritical CO2; providing a pressure vessel; installing said filamentary nanocarbon into said pressure vessel; introducing said near-supercritical CO2 into said pressure vessel; and, collecting said filamentary nanocarbon while releasing said near-supercritical CO2 from said pressure vessel.
- 2. (Original): The method of claim 1 wherein said collecting step is preceded by the step of agitating the mixture of said near-supercritical CO2 and said filamentary nanocarbon.
- 3. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of surfactant into said pressure vessel.
- 4. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of acid into said pressure vessel.
- (Original): The method of claim 1 wherein said near-supercritical CO2 includes an acid sufficient for metal catalyst removal.
- 6. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of co-solvent into said pressure vessel.
- 7. (Original): The method of claim 1 wherein said installing step is preceded by the step of adding a quantity of polymer to be pre-impregnated into the filamentary nanocarbon into said pressure vessel.
- 8. (Canceled)

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9. (Canceled)

- 10. (Original): A method of processing filamentary nanocarbon, comprising the steps of: providing a quantity of filamentary nanocarbon; providing a supply of high pressure, near-supercritical CO2; providing a pressure vessel; installing said filamentary nanocarbon into said pressure vessel; introducing said near-supercritical CO2 into said pressure vessel; and, releasing said near-supercritical CO2 and said filamentary nanocarbon from said pressure vessel by spraying through a nozzle.
- 11. (Original): The method of claim 10 wherein said releasing step is preceded by the step of agitating the mixture of said near-supercritical CO2 and said filamentary nanocarbon.
- 12. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of surfactant into said pressure vessel.
- 13. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of acid into said pressure vessel.
- 14. (Original): The method of claim 10 wherein said near-supercritical CO2 includes an acid sufficient for metal catalyst removal.
- 15. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of co-solvent into said pressure vessel.
- 16. (Original): The method of claim 10 wherein said installing step is preceded by the step of adding a quantity of polymer to be pre-impregnated into the filamentary nanocarbon into said pressure vessel.

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17. (Canceled)

18. (Canceled)